



WATER RESOURCES RESEARCH GRANT PROPOSAL

Project ID: DE3681

Title: Graduate Fellowships in Water Quality: Baseflow and Storm Discharges of Nutrients to Delaware's Inland Bays

Focus Categories: Water Quality, Geomorphological and Geochemical Processes

Keywords: Nutrient management, Nutrient cycling and discharge to waters, environmental management and policy, water quality

Start Date: 03/01/2001

End Date: 02/28/2002

Federal Funds: \$16,000

Non-Federal Matching Funds: \$32,000

Congressional District: At-Large

Principal Investigators:

William J. Ullman

Associate Professor, College of Marine Studies

Joseph R. Scudlark

Professional Staff, University of Delaware

James Thomas Sims

Professor, University of Delaware

Abstract

Delaware's ground and surface waters have been negatively impacted by nutrients originating from a variety of land uses. In response to growing public concerns about the effects of nutrients on water quality, in 1999 the Delaware General Assembly established by legislative action a Delaware Nutrient Management Commission to develop and implement a State Nutrient Management Program. The Delaware Water Resources Center has established three graduate Ph.D. fellowships to provide research support for the activities of this commission in their efforts to improve water quality in Delaware. These fellowships provide a unique opportunity for graduate students and faculty to become directly involved in multi-disciplinary research that will contribute to the scientific basis for state policy decisions on nutrient management. Fellowships are provided up to a maximum of three years provided satisfactory progress toward project objectives is maintained. Graduate Fellows are required to (i) make a presentation each year describing their progress at a meeting that will be organized by the Delaware Water Resources Center; (ii) prepare an annual report that summarizes their accomplishments and submit it to the Delaware Water Resources Center.

A Graduate Fellowship addressing "Baseflow and Storm Discharges of Nutrients to Delaware's Inland Bays" has been awarded to Jennifer Jennings, a Ph.D. student in the University of Delaware College of Marine Studies for 2001-2002, based on a review of proposals submitted by potential graduate fellows and their advisors to the DWRC Advisory Panel.